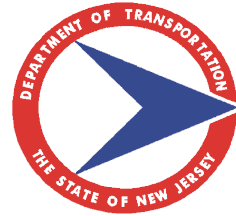


*New Jersey Department of Transportation*

1035 Parkway Avenue, PO Box 600, Trenton, New Jersey 08625-0600



*Baseline Document Change Announcement*

**ANNOUNCEMENT:** BDC13MR-08

**DATE:** May 20, 2015

**SUBJECT:** Construction Barrier Curbs and Emergency Pull-off Revised Design Manual - Roadway Section 13, Guidelines for the Design of Ground Mounted Sign Supports and Section 14, Traffic Control Plans and Details

**REFERENCE:** Revision to Subparts 159.02.01 and 159.03.02 of the 2007 Standard Specifications for Road and Bridge Construction, BDC14S-11 dated May 22, 2015

Revision to CD-159-3, CD-159-4, CD-159-5 and TCD-2 of the 2007 Standard Roadway Construction Details, BDC14D-04 dated May 21, 2015

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The NJDOT has revised the Construction Barrier Curb standards to conform with NCHRP 350 and the Manual for Assessing Safety Hardware (MASH). The overall barrier name change is for consistency within the RDM and to be consistent with the specifications and pay items.

The other changes are to update NJDOT construction barrier standards to be acceptable under current crash testing standards.

The revisions are as follows:

**Section 13**

- The inclusion of permanent traffic stripes and traffic markings under the new Subsection 13.5, Traffic Stripes and Traffic Markings. This modifies Subsection 14.6, Traffic Stripes and Traffic Markings.

**Section 14**

- The title of Subsection 14.6 is changed to “Temporary Traffic Stripes and Traffic Markings”.
- Paragraphs 4, 5 & 6 are eliminated from Subsection 14.6 and incorporated into Section 13.5.
- The remaining paragraphs under Subsection 14.6 are revised to include the use of TRAFFIC STRIPES and TRAFFIC MARKINGS in lieu of temporary stripes and markings after December 21. Also, criteria is provided for the development of additional milling and paving quantities after a finished surface course is marred from the removal of stripes and markings.
- Under Subsection 14.7.2, Total Roadway Closure, bullet number 6 is revised.
- Under Subsection 14.7.3, Center/Interior Lane Closures, the third sentence is revised. The first and fourth bullets under item number 1 of the second paragraph are revised and in

addition item number 3 is also revised.

- Added new Subsection 14.7.5, Temporary Emergency Pull-off with new Figure 4-B.
- Subsection 14.8, Changed the term “Precast Concrete Curb, Construction Barrier” to “Construction Barrier Curb” throughout entire section
- Subsection 14.8.3 was revised.
- Type 1 barriers are no longer used
- The term “barriers” refers only to Type 4 barriers
- Joint Class replaced by Connection Type
- Introduced Connection Type A Barrier with minimum 41” clear space requirement
- Introduced Connection Type B Barrier with minimum 28” clear space requirement
- Provided an optional placement provision for Connection Type B Barrier
- Introduced Connection Type C Barrier with minimum 11” clear space requirement
- Bolting barriers to the ground is no longer an option
- Shielding at the approach end of barriers is updated to be consistent with Section 9
- Figure 14-A Length of Need has been updated
- Under Subsection 14.16, Quality Control Checklist for Designers, Design/Quality Control, item added to slot 14 and new slot 17 is revised.
- The References have been removed.

These changes must be read in conjunction with the referenced BDC announcements regarding the corresponding changes to the Specifications and Construction Details.

BDC08MR-02 Revision to Section 14 Traffic Stripes and Traffic Markings, dated July 9, 2008, QIA-13 Use of Moveable Construction Barrier dated September 23, 1998, and QIA-16 Precast Concrete Construction Barrier Use of Moveable Construction Barrier dated January 6, 1999 are hereby superseded.

### **Implementation Code S (Special)**

#### **Instructions to Designers**

Changes must be implemented in all applicable Department projects scheduled for Final Design Submission after one month of the date of the BDC announcement where these changes do not result in any one of the following to the project:

- Significant delay in the project delivery
- Significant increase in the construction costs of the project
- Acquisition of additional ROW
- Significant environmental impacts
- Significant alteration of the construction staging
- Necessity for detours where none previously existed

Changes must be implemented in all applicable Department projects currently in Preliminary Engineering or earlier stages and in which these changes do not result in the following:

- Acquisition of additional ROW that would significantly delay the project.
- Significant environmental impacts

**Recommended By:**

Original Signed By

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Richard Jaffe  
Director,  
Capital Program Support

**Approved By:**

Original Signed By

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Richard T. Hammer  
Assistant Commissioner,  
Capital Program Management

Attachments: RDMSec13.5rev20150409.docx and RDMSec14rev20150409.docx

Superseded